

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PHNL020007W0	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/IB 02/ 05668	International filing date (day/month/year) 20/12/2002	(Earliest) Priority Date (day/month/year) 08/01/2002
Applicant KONINKLIJKE PHILIPS ELECTRONICS N.V.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.



as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.

1
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 02/05668

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H05B41/288

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 969 484 A (ZHANG ZHE ET AL) 19 October 1999 (1999-10-19)	1,2,4-6, 8-11
Y	column 1, line 4 -column 5, line 17; figures 1-3	3,7
Y	US 5 428 268 A (MELIS JANOS ET AL) 27 June 1995 (1995-06-27)	3,7
	column 1, line 7 -column 8, line 20; figures 1-6	
A	WO 99 05889 A (DURKAN THOMAS ;MCCARTHY PAUL (IE); NOONE SEAN (IE); NOONTEK LIMITE) 4 February 1999 (1999-02-04)	
A	US 5 945 783 A (THOMAS ROBERT JAMES ET AL) 31 August 1999 (1999-08-31)	
	-/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

27 March 2003

Date of mailing of the international search report

07/04/2003

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 02/05668

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 048 977 A (TOSHIBA ELECTRIC EQUIP) 7 April 1982 (1982-04-07) ---	
A	US 4 277 728 A (STEVENS CARLILE R) 7 July 1981 (1981-07-07) -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 02/05668

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5969484	A	19-10-1999	NONE	
US 5428268	A	27-06-1995	WO 9607130 A1	07-03-1996
			AU 7635994 A	22-03-1996
			BR 9407696 A	04-02-1997
			AU 685843 B2	29-01-1998
			EP 0777872 A1	11-06-1997
			JP 10504928 T	12-05-1998
WO 9905889	A	04-02-1999	AT 222043 T	15-08-2002
			AU 735261 B2	05-07-2001
			AU 8643498 A	16-02-1999
			DE 69807118 D1	12-09-2002
			DK 1042942 T3	02-12-2002
			EP 1042942 A1	11-10-2000
			IE 980617 A1	27-01-1999
			WO 9905889 A1	04-02-1999
			US 6414448 B1	02-07-2002
US 5945783	A	31-08-1999	NONE	
EP 0048977	A	07-04-1982	JP 57060694 A	12-04-1982
			JP 60057674 B	16-12-1985
			EP 0048977 A2	07-04-1982
US 4277728	A	07-07-1981	CA 1151721 A1	09-08-1983
			CA 1133579 A2	12-10-1982
			DE 2918314 A1	13-12-1979
			GB 2024544 A ,B	09-01-1980
			GB 2093613 A ,B	02-09-1982